

# ARKWOOD, INC. SUPERFUND SITE

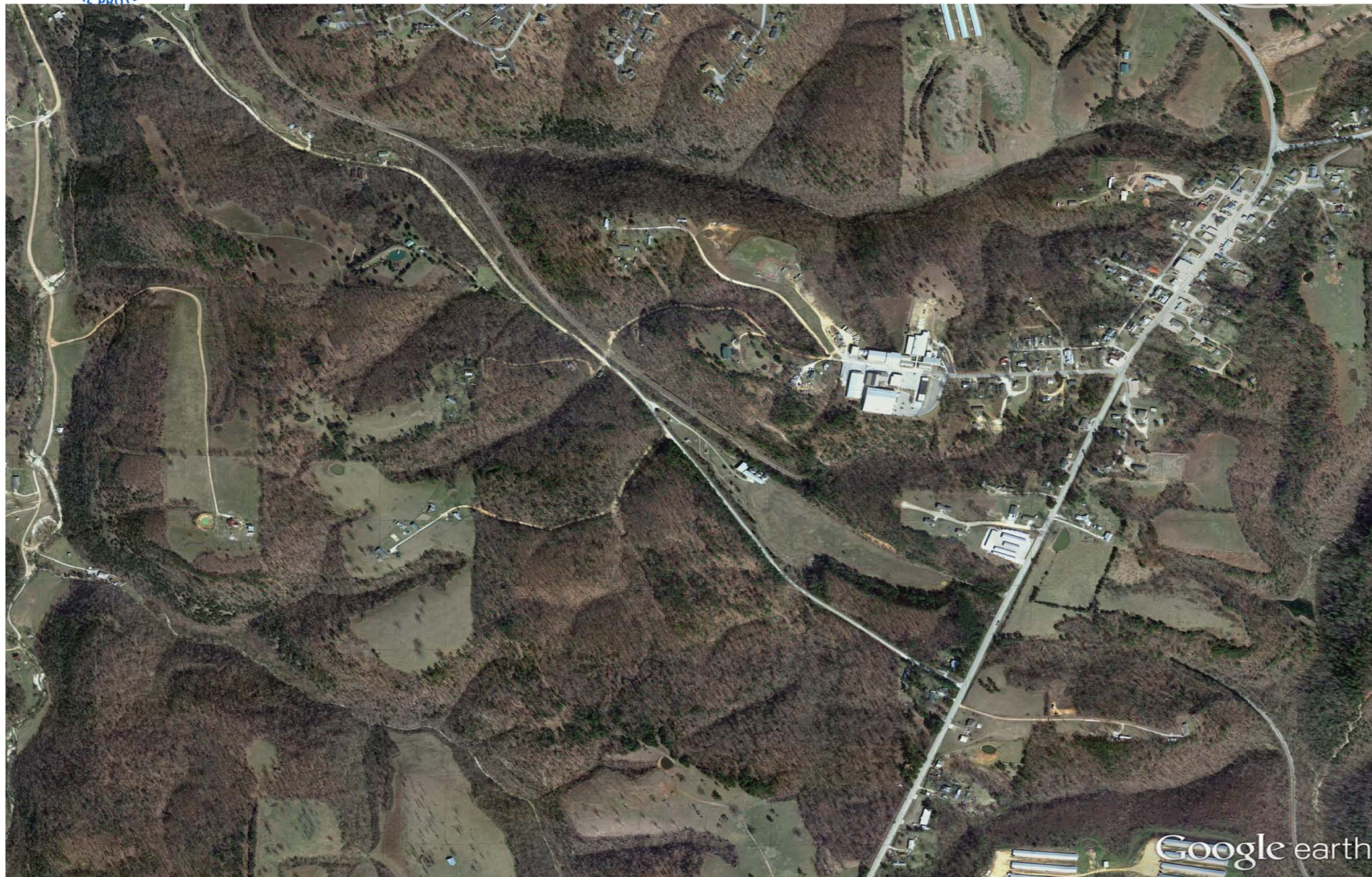


U.S. EPA, REGION 6  
May, 2013





# SITE MAP







# HISTORY

- 1962-1984: Wood treating operations
- 1985: NPL Proposed
- 1989: NPL Final
- Contaminants:
  - Dioxin (2,3,7,8-TCDD)
  - Pentachlorophenol (PCP)
  - Polynuclear aromatic hydrocarbons (Benzo(a)pyrene)



# ENFORCEMENT HISTORY

- PRPs: Mass Merchandisers, Inc./McKesson(MMI) (operator liability) and C.C. “Bud” Grisham (owner and operator liability)
- 1986 AOC with MMI: RI/FS workplan
- 1987 AOC with MMI and owners: Stabilization measures, warning signs, and fence
- 1988 CD with owners entered: Allowing access by EPA to oversee PRP RI/FS
- 1991 Corrected CD with MMI entered: MMI to implement the ROD



# EPA REMEDY

- 1990 ROD:
  - Soil risk goal set at industrial scenario
  - Dioxin: 20 ug/kg (ppb) = 20,000 ppt
  - PCP: 300 mg/kg (ppm)
  - B(a)P: 6 mg/kg (ppm)
- Excavation, on-site Incineration (off-site 1995 ESD), and cover site with 6" clean topsoil
- GW MNA monitoring (with subsequent PCP treatment, 1997) to Arkansas WQS



# CURRENT STATUS

- July 2011 FYR:
  - Soil remedy protective (completed in 1995)
  - GW remedy protective and ongoing (AR WQS not met yet)
  - IC in place in August 2010\*



# DIOXIN REASSESSMENT

- February 17, 2012: new EPA dioxin soil cleanup number:
  - 50 ppt for residential
  - 664 ppt for commercial/industrial
- Site Reassessment Trigger:
  - November 2011: Landowner son requested site partial deletion



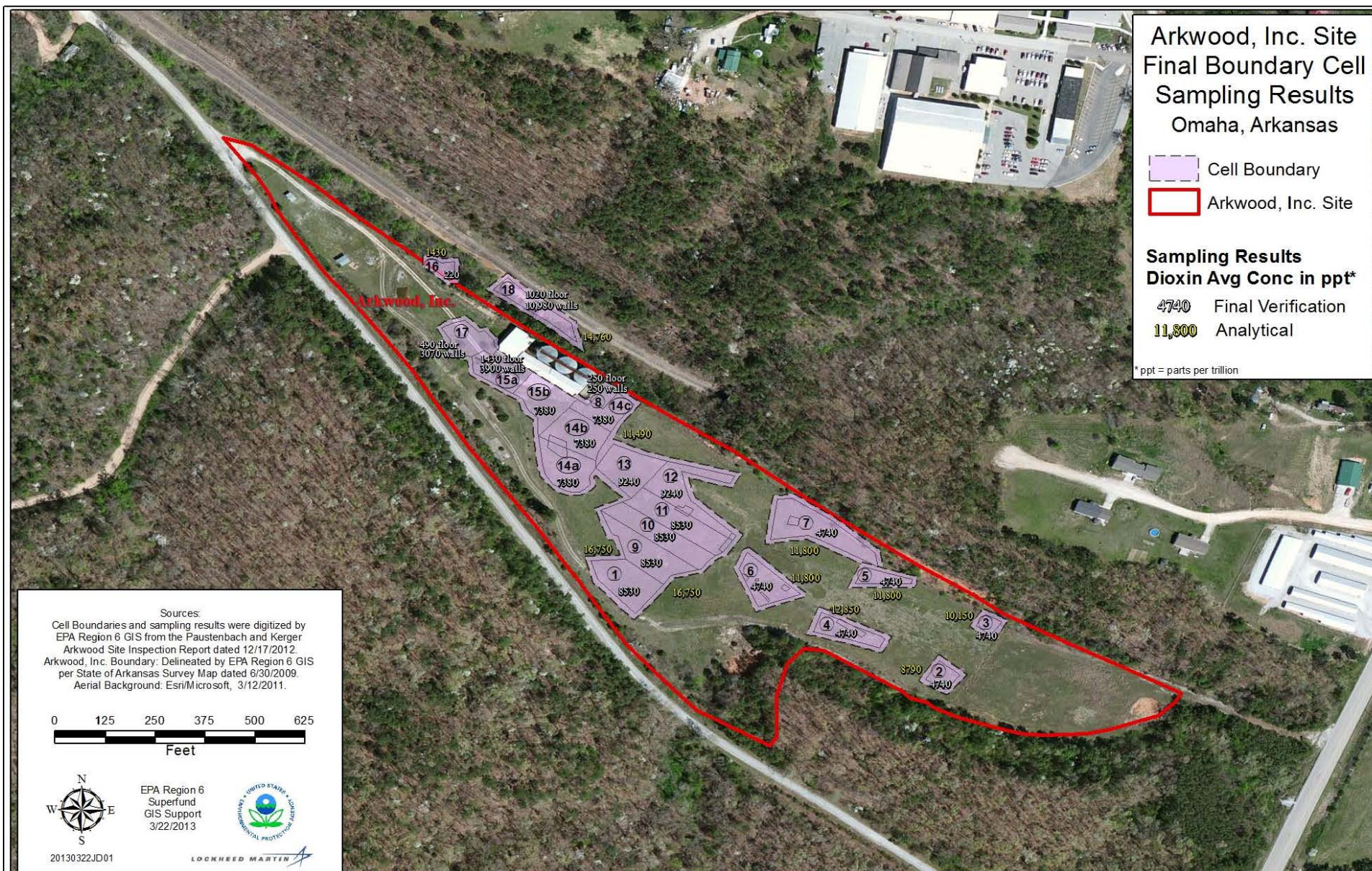
# HQ INTEREST

- Technical: sampling, risk assessment, protectiveness of existing remedy, need for additional action
- Enforcement: ICs, future possible options (ESD, ROD amendment)
- Reuse: Sitewide Ready for Anticipated Use GPRA measure (2011)





# SITE MAP - DETAILED







# PATH FORWARD

- Enforcement:
  - May 2013: Modify the IC - Deed Restriction/Deed Notice
  - June 2013: Review modified IC with all stakeholders: owner PRP, operator PRP, ADEQ and EPA
  - August 2013: Finalize and ensure owner to file IC



# PATH FORWARD

- Soil: Continue with HQ and ADEQ on site dioxin reassessment
  - May 2013: send letter to PRPs to develop updated conceptual site model
  - Summer 2013: develop sampling plans
  - Fall 2013: implement sampling
  - Complete reassessment before next FYR in 2016